

## SEQUENCE LISTING

<110> Abbott Laboratories  
 Haviv, Fortuna  
 Henkin, Jack  
 Kalvin, Douglas M.  
 Bradley, Michael F.

<120> N-ALKYLATED PEPTIDES HAVING  
 ANTIANGIOGENIC ACTIVITY

<130> 6632.US.O2

<140> Not Yet Assigned

<141>

<150> US 60/166,924

<151> 1999-11-22

<160> 1

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Antiangiogenetic Peptide

<221> VARIANT

<222> (1)...(1)

<223> Xaa = N-methylprolyl at position 1

<221> VARIANT

<222> (2)...(2)

<223> Xaa = N-(R3)Ala, N-(R3)Gly, N-(R3)Nva, N-(R3)Pro,  
 B-Ala, Asn, 4-ClPheAla, 4-CNPheAla, Gln, Glu, Gly,  
 4-OHPro, 4-MePheAla, Pro, Ser, or Thr at position  
 2

<221> VARIANT

<222> (3)...(3)

<223> Xaa = N-(R3)Ala, N-(R3)Gly, N-(R3)Leu,  
 N-(R3)PheAla, Ala, Asn, Asp, 3-CNPheAla,  
 4-CNPheAla, Gln, Gly, Leu, Lys(Ac), 4-MePheAla,  
 Nva, Pro, and PheAla as position 3

<221> VARIANT

<222> (4)...(4)

<223> Xaa = N-(R3)Ala, N-(R3)Gly, N-(R3)HpheAla,  
 N-(R3)Ile, N-(R3)Leu, N-(R3)Nva, N-(R3)PheAla,  
 N-(R3)Ser, N-(R3)Tyr, N-(R3)Val, Ala, AlloIle,  
 Allylgly, 2-Ambut, Asn, Asp at position 4

<221> VARIANT  
 <222> (4)...(4)  
 <223> Xaa = 5-BrThiAla, 3-ClPheAla, 4-ClPheAla,  
 3-CNPheAla, Cha, 3,4-diOMe-PheAla, 3-FpheAla,  
 4-FpheAla, Gln, Gly, His, HpheAla, Hser, Ile, Leu,  
 Lys(Ac), Met, Met(O2), 4-MePheAla at position 4

<221> VARIANT  
 <222> (4)...(4)  
 <223> Xaa = 1-Nal, 2-Nal, Nor, Nva, PheAla, PheGly,  
 Pro, 3-PyrAla, 4-ThzAla, 2-ThiAla, Ser, Ser(Bzl),  
 StyAla, Trp, Tyr, Val at position 4

<221> VARIANT  
 <222> (5)...(5)  
 <223> Xaa = AlloIle, Chg, Gly, Ile at position 5

<221> VARIANT  
 <222> (6)...(6)  
 <223> Xaa = N-(R3)Asp, N-(R3)Glu, N-(R3)Gly, N-(R3)Ser,  
 N-(R3)Thr, N-(R3)Thr(Bzl), N-(R3)Tyr, Ala,  
 AlloThr, Allylgly, Asn, Asp, Gln, Gly, His, Hser,  
 4-OHMePheAla, Ile, Lys(Ac) at position 6

<221> VARIANT  
 <222> (6)...(6)  
 <223> Xaa = Met, 2-Nal, Nva, Octylgly, Pro, 3-PyrAla,  
 Ser, Thr, Trp, Tyr, Tyr(Me) at position 6

<221> VARIANT  
 <222> (7)...(7)  
 <223> Xaa = N-(R3)Ala, N-(R3)Gly, N-(R3)Ile, N-(R3)Leu,  
 N-(R3)Nle, N-(R3)Nva, N-(R3)Ser, N-(R3)Thr,  
 N-(R3)Val, Ala, AlloThr, Allylgly, 4-AmdPheAla,  
 2-Ambut, Arg, Asn at position 7

<221> VARIANT  
 <222> (7)...(7)  
 <223> Xaa = Cha, Gln, Gly, Hala, Hser, 4-OHPro, Leu,  
 Lys(Ac), Met(O2), Met(O), Met, Nle, Nva,  
 Octylgly, Orn(Isp), PheAla, ProGly, Ser, Thr, Trp,  
 Tyr, and Val at position 7

<221> VARIANT  
 <222> (8)...(8)  
 <223> N-(R3)Ala, N-(R3)Ile, N-(R3)Leu, Ala, AlloIle,  
 Allylgly, Cit, Gly, Ile, Leu, Lys(Ac), Met, 1-Nal,

Nva, Pro, and Val at position 8

<221> VARIANT

<222> (9)...(9)

<223> Xaa = N-(R3)Arg, 4-AmIspCha, 4-AmIspPheAla, Arg(diethyl), Arg, Cit, Gln, 4-GuPheAla, His, Harg, Lys(Isp), Lys(Nic), Lys, Nor, Orn, Orn(Im), Orn(Isp), and 3-PyrAla at position 9

<221> VARIANT

<222> (10)...(10)

<223> Xaa = N-(R3)Ala, N-(R3)Gly, N-(R3)Hala, N-(R3)Nva, 2-Ambut, 2-Amisobut, dePro, 4-OHPro, PheAla, Pro, and Tic at position 10

<221> VARIANT

<222> (11)...(11)

<223> Xaa = AlaNH2, AlaNH-ethyl, AzaGlyNH2, GlyNH2, GlyNH-ethyl, Lys(Ac), SarNH2, and SerNH2 at position 11

<400> 1

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5 10